

ABSTRACT

A coolant nozzle is used on a machine tool having a rotating bit of convoluted longitudinal profile for cutting a number of slots in a disk. The nozzle includes at least one coolant inlet and at least one coolant outlet. The coolant outlet has a convoluted section and is positioned to direct a coolant stream tangentially at the bit in a direction of rotation of the bit. Internal surface portions of the nozzle define one or more passageways between the inlet and the outlet(s).